

## Roadstone Custom Psi values

U Value Range (W/m <sup>2</sup> K)	Part L (Ψ)	Roadstone TLB Psi (Ψ) Value
0.21	-0.005	-0.007
0.15	0.004	0.001

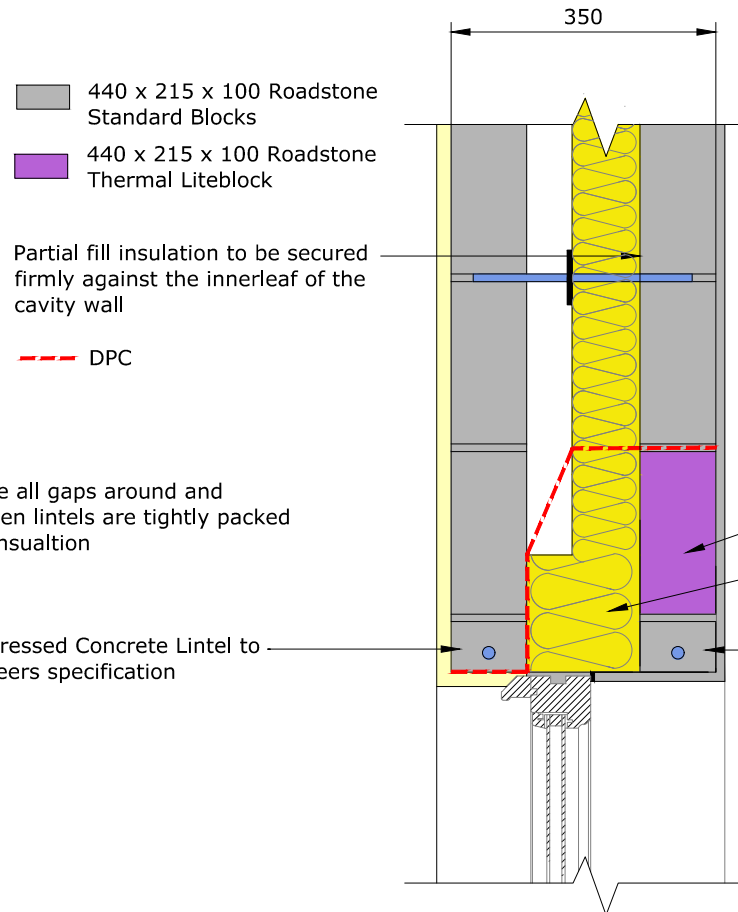
As modelled by NSAI registered Thermal Modellers:

NSAI Agrément	NSAI Agrément
 <p><b>NSAI</b> Agrément</p>	 <p><b>NSAI</b> Agrément</p>
<p><b>Diarmuid Hynes</b> Evolution Innovation Ltd.</p> <p>Registration Number IAB/TM/04</p> <p>NSAI Approved Thermal Modeller</p>	<p><b>Andrew Dunne</b> Evolution Innovation Ltd.</p> <p>Registration Number IAB/TM/07</p> <p>NSAI Approved Thermal Modeller</p>

All options pass fRsi assessment, no surface condensation predicted

**\*Note:**

Both the 0.21 U Value Range and the 0.15 U Value range models surpass the default Psi values and therefore a y-value of 0.08 can be assumed using this option without a y-value calculation, provided all other details in the building comply with the published ACDs and/or Roadstone modelled details.



Partial fill Cavity Wall  
U-Values vary, see appendix D of TGD part L 2011.

Ensure all gaps around and between lintels are tightly packed with insulation

Pre-stressed Concrete Lintel to Engineers specification

Roadstone Thermal Liteblock

150x130mm Full fill closer with  $\lambda=0.021\text{W/m.K}$ ,  $R = 7.14 \text{ m}^2\text{K/W}$  (continued to width of cavity)

Pre-stressed Concrete Lintel to Engineers specification

The diagrams, drawings and details included in this brochure are for indicative purposes only. They do not constitute nor should they be relied upon as giving/providing any design detail. They focus on the issues of thermal performance only. Insulation thicknesses of the main building elements have not been provided, as these are dependent on the thermal properties of the materials chosen, as well as on the desired U value. These diagrams, drawings and details illustrate good practice for the design and construction of interfaces solely in connection with thermal performance. The product should be used with due regard to all other requirements imposed by the Building Regulations and advice should be sought from a design professional in connection with the use of this product where required.

REVISION: A

DWG. NO.: **DETAIL RS 1.23.1**

DATE: **JANUARY 2017**

SCALE: **NTS**

JUNCTION: **PARTIAL FILL CAVITY WALL/ OPE CONCRETE LINTELS**

TO BE READ IN CONJUNCTION WITH Y-VALUE CALCULATION

